Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Sunday 07 Feb 2021 until 23:59 on Monday 08 Feb 2021

Forecast Issued on Sunday 07 Feb 2021 at 03:04

Confidence: High for remaining cold through the forecast period with some snow showers, but lower with regard to cloud and snow amounts. Low confidence Thursday.

Headline for Sunday 07 Feb 2021: A cold, mostly cloudy day with snow showers, though most in east with some sunnier breaks across the west.

Mountain weather hazards on Sunday 07 Feb 2021

Blizzards Low Likelihood	**Heavy Snow** Low Likelihood	**Storm force winds** No Likelihood
Gales High Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Light snow showers	Sunny intervals	Light snow showers	Partly cloudy (night)	Light snow showers (night)
Precipitation probability					
20%	30%	20%	30%	20%	30%

Forecast for Sunday 07 Feb 2021

Weather: A bright but mostly cloudy day with snow showers though most will be across eastern fells, with best chance of any sunnier breaks across the west. Risk of blizzard conditions in any heavier outbreaks and snow will blow around a bit with perhaps some drifting of lying snow.

Chance of cloud free mountain/hill tops above 800m: 20% at best overnight, then around 30% in east and 50% in west through the day

Visibility: Areas of cloud down to 800m, but occasionally 450 m in east. Little change through the day with rather persistent cloud above 600 to 800m, but 450m in snow showers. Generally very good visibility out of cloud, but some sun glare off lying snow and poor or very poor in snow showers at height and where snow blows about. Almost nil in any blizzards.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Sunday 07 Feb 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	47/56 E	46/55 E	42/53 E	40/51 E	42/53 E	41/51 E	39/49 E
600	33/41 E	31/40 E	34/45 E	32/43 E	29/39 E	28/38 E	25/35 E
300	19/39 E	22/41 E	16/39 E	12/34 E	11/33 E	10/31 E	9/28 E
Valley	15/36 NE	8/29 E	11/30 E	12/29 E	10/28 E	9/27 E	9/25 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-6/-19	-7/-19	-6/-18	-7/-18	-7/-19	-7/-18	-7/-18
600	-4/-13	-4/-14	-4/-13	-4/-13	-5/-14	-5/-14	-5/-14
300	-1/-8	-1/-9	-0/-6	-1/-6	-2/-7	-2/-7	-2/-7
Valley	1/-4	1/-3	2/-2	2/-3	1/-4	0/-4	0/-4
Freezing Level*	00m	00m	00m	00m	00m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A severe chill expected. Snow lying at most if not all elevations, bringing additional difficulties. Snow may also blow around with possibly some drifting of lying snow.

Forecast for Monday 08 Feb 2021

Weather: Bright or sunny spells and scattered snow showers, these possibly heavy, but most in the east, with risk of blizzard conditions. Perhaps more prolonged snow in evening. Very cold with a severe chill.

Maximum wind: East or northeast 25-35, with gusts 50mph over the tops and in showers

Chance of cloud free mountain/hill tops above 800m: 50 or 60%

Visibility: Occasional cloud above 800m, but 600m in east and 450m at times in snow. Mainly good visibility out of cloud, but a kilometre or less in snow showers and also where any snow blows around and almost nil in blizzards.

Temperature: **Valleys:** Minus 1 C to plus 1 C
At 800m: Minus 8 C
Freezing level: At all levels

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Saturday 6 February. Location: Helvellyn summit at 14:00 .Full report: We are continuing to provide the Fell Top Reports for people undertaking their daily local exercise during the lockdown. We would like to remind everyone that Government guidance stipulates that people should only exercise locally to where they live. The high fells of the Lake District are currently in full winter condition with significant amounts of snow on all aspects. There was a noticeable thaw throughout the day from the snow level at 350m up to around 700m. Depth increased markedly with altitude with an unusual calf to knee deep covering of soft snow on the Helvellyn plateau. Where the snow has been compressed by walkers feet it is consolidating but away from these "paths" the snow is still soft & wet with a slight crust which means walking is far harder physically and progress far slower than normal; factors which must be considered when route planning. Striding & Swirral Edges are both buried under deep soft snow with a few protruding rocks on which rime ice was actively forming above 800m. The snow on steeper areas is just beginning to stabilise in the colder temperatures but the potential for more avalanches is still a concern. A localised venturi effect on the summit of Helvellyn gave gusts of nearly 70mph and there was some movement of snow on the easterly winds. However in general the winds were around 40mph and were having very little effect on the soft & heavy snowpack. The temperature is forecast to significantly drop for Sunday which will quickly refreeze the snow pack at all levels giving serious and icy conditions. Full winter clothing and equipment including ice axe and crampons are essential for anyone venturing onto the fells. The depth of snow means that many paths and obvious features are hidden so excellent navigation is critical. Goggles were very useful today to protect the eyes from the spindrift but also to increase contrast when looking for hazards like cornice edges and cliffs. Please be conservative with your plans and know both your limits and also when to turn back. A pandemic is not the time to be pushing your comfort zone. Temperature: minus 1.5 C, Maximum wind speed 68.8mph, Wind chill: minus 13.5 C, Average wind speed: 55.7 mph

Issued at: 03:04 on Sun 07 Feb 2021

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